

# PUMPPAC™

API Plan 54 Forced Oil Circulation System



## Features

- Forced circulation
- Back pressure control valve
- Modular design

## Benefits

- Maximizes heat dump potential for the more arduous applications
- Ensures a positive barrier fluid pressure at the seal-faces
- Allows the PUMPPAC™ to be installed in a variety of zoned environments by interchanging the instrumentation options



The AESSEAL® PUMPPAC™ range is a robust selection of forced circulation systems. The range was developed to meet the requirements of the API Plan 54 piping plan, which maximizes heat dump potential for the more arduous pump applications. A range of instrumentation can be added to the PUMPPAC™ to adapt the system to specific pump applications. An ATEX Certified version of the Oil PUMPPAC™ is available.



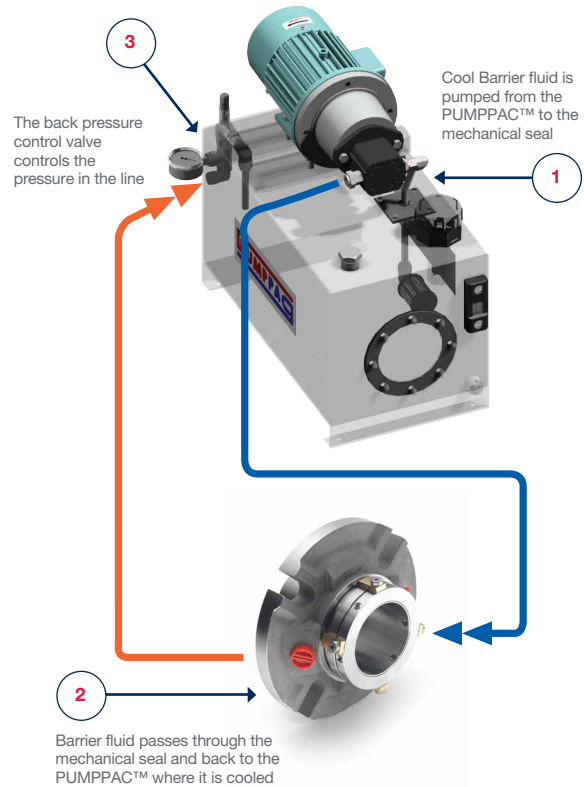
## Specifications

### Standard Offering:

- Tank:** 45 litre / 12 gal (US) capacity, SS construction
- Pressure Gauge:** SS body
- Temperature and Level Gauge:** Polyamide body, SS bolts
- Suction Filter:** 60 microns SS mesh, Carbon Steel body
- Filler Breather Cap:** Plastic construction
- Motor:** Safe Area, Cast Iron construction
- Pump:** Positive Displacement, Cast Iron and Tinnefer Steel Construction 4 litres / 1.1 gal (US) per minute
- Back Pressure Control Valve:** SS construction

### Optional Extras:

- ATEX Certification:** Oil PUMPPAC™ only
- Motor:** Flame Proof (Cast Iron construction), UL Motor option
- Oil Pump:** High Flow, Cast Iron, 12 litres / 3.3 gal (US) per minute
- Flow Divider Assembly:** Feeds two seals or a double ended pump
- Plate Heat Exchanger:** Nickel Brazed, SS body
- Internal Heating Element:** Safe Area & Flame Proof
- Air Blast Cooler:** Safe Area & Flame Proof
- Cooling Coil:** SS construction
- Top Entry Low Level Switch:** Safe Area & Flame Proof
- High / Low Pressure Switch:** Safe Area & Flame Proof
- Flexible Hose Assemblies:** SS braided PTFE hose & SS fittings
- Hard Pipe Kits:** SS pipe and SS fittings



**PUMPPAC™ Operating Principle**

Bespoke high specification PUMPPACs can be designed and manufactured on request.

**Barrier & buffer fluid systems for use with double mechanical seals.** AESSEAL® supplies an extensive range of barrier and buffer fluid systems for use with double mechanical seals.

Wherever possible AESSEAL® prefers to supply both the seal and the system. In addition the company will suggest suitable barrier or buffer fluids for most applications, based on extensive field experience. AESSEAL® accepts no responsibility for any problems associated with system design, installation, operation, or the use of an unsuitable barrier or buffer fluid, where the fluid, seal or any part of the system have not been specified and / or supplied by AESSEAL®

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For further information and safe operating limits contact our technical specialists at the locations below.



### AESSEAL plc is certified to:

ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001,  
ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001

Use double mechanical seals with hazardous products.

Always take safety precautions: **WARNING**

- Guard your equipment
- Wear protective clothing

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